



CLEAN VERSION OF CLAIMS AS AMENDED

(Cancelled)

2. (Currently Amended) A cellular system including:
at least two base stations;
a mobile station making communication with one or more of said base stations over a plurality of CDMA channels at the same time, each CDMA channel characterized by use of a different CDMA diffusion code; and
a host station controlling communication made between said base stations and said mobile station over said plurality of CDMA channels,
characterized in that when one of said base stations becomes saturated, said mobile station stops communication on one or more CDMA channels of said one base station, and begins communication on a corresponding number of CDMA channels of one or more other base stations, while still communicating using at least one channel of said one base station.

3. (Canceled)

4. (Currently Amended) A cellular system including:
at least two base stations;
a first mobile station making communication with one or more of said base stations over a plurality of CDMA channels at the same time, each CDMA channel characterized by use of a different CDMA diffusion code; and
a host station controlling communication made between said base stations and said mobile station over said plurality of CDMA channels,
characterized in that
one of said base stations, on receipt of a request from a second mobile station to start communication over n channels, where n is an integer equal to or greater than 2, checks whether n channels are available, and transmits the result of checking to said host station,

said host station receives said result from said one of said base stations,
if n channels are available, said host instructs said one of said base stations to start making communication with said second mobile station using n channels, and
if only m channels are available, where m is an integer smaller than n , said host instructs said one of said base stations to start making communication with said second mobile station using m channels and further instructs one or more other base stations to start making communication with said second mobile station using $(n - m)$ channels, and said second mobile station makes communication with said one of said base stations using m channels, and further makes communication with said one or more other base stations using $(n - m)$ channels.

5. (Currently Amended) A cellular system including:

at least two base stations;

a first mobile station making communication with one or more of said base stations over a plurality of CDMA channels at the same time, each CDMA channel characterized by use of a different CDMA diffusion code; and

a host station controlling communication made between said base stations and mobile stations over said plurality of CDMA channels,

characterized in that

when one of said base stations becomes saturated, said one of said base stations stops communication with said first mobile station on one or more channels, and said first mobile station begins communication through a corresponding number of channels of one or more other base stations, and

when said one of said base stations receives a request to start communication from a second mobile station and judges that there are not enough channels available to satisfy the request,

said one of said base stations stops communication with said first mobile station on a specified number of channels while remaining in communication with the first mobile station on at least one channel, and transmits a request to said host station to begin communication between said first mobile station and one or more other base stations using said specified number of channels,

said host station, on receipt of said request, instructs a base station other than said one of said base stations to begin communication with said first mobile station using said specified number of channels, and
said first mobile station stops communication with said one of said base stations on said specified number of channels, and begins communication with said base station other than said one of said base stations using said specified number of channels.

6. (Currently Amended) The cellular system as set forth in claim 4 or 5, wherein said at least two base stations have adaptive array antennas.

7. (Canceled)

8. (Currently Amended) A method of making communication in multi-code CDMA where a mobile station makes communication with one or more base stations over a plurality of CDMA channels at the same time, each CDMA channel characterized by use of a different CDMA diffusion code, and a host station controls communication made between said base stations and said mobile station,
characterized by the step of, said mobile station, when one of said base stations becomes saturated, stops communication on one or more CDMA channels of said one base station, and begins communication on a corresponding number of CDMA channels of one or more other base stations, while still communicating using at least one channel of said one base station.

9. (Canceled)

10. (Currently Amended) A method of making communication in multi-code CDMA where a first mobile station makes communication with one or more base stations over a plurality of CDMA channels at the same time, each CDMA channel characterized by use of a different CDMA diffusion code, and a host station controls communication

made between said base stations and mobile stations over said plurality of CDMA channels, characterized by the steps of:

one of said base stations, on receipt of a request from a second mobile station to start communication over n channels, where n is an integer equal to or greater than 2, checking whether n channels are available, and transmitting the result of checking to said host station,

said host station receiving said result from said one of said base stations,

if n channels are available, said host instructing said one of said base stations to start making communication with said second mobile station using n channels, and

if only m channels are available, where m is an integer smaller than n , said host instructing said one of said base stations to start making communication with said second mobile station using m channels and further instructing one or more other base stations to start making communication with said second mobile station using $(n - m)$ channels, and said second mobile station making communication with said one of said base stations using m channels, and further making communication with said one or more other base stations using $(n - m)$ channels.

11. (Currently Amended) The method as set forth in claim 10, further comprising the steps of:

when said one of said base stations receives a request to start communication from said second mobile station and judges that there are not enough channels available to satisfy the request,

said one of said base stations stopping communication with said first mobile station on a specified number of channels while remaining in communication with the mobile station on at least one channel, and transmitting a request to said host station to begin communication between said first mobile station and one or more other base stations using said specified number of channels,

said host station, on receipt of said request instructing a base station other than said one of said base stations to begin communication with said first mobile station using said specified number of channels, and

said first mobile station stopping communication with said one of said base stations on said specified number of channels, and beginning communication with said base station other than said one of said base stations using said specified number of channels.

12. (Currently Amended) The method as set forth in claim 10 or 11, wherein said base stations have adaptive array antennas.